

# Premi-Glas® 1201-15

## Sheet Molding Compound

### PRODUCT DESCRIPTION

Glass fiber reinforced Polyester SMC suitable for sanitary ware applications such as shower bases and surrounds, bathtubs, and vanity tops.

### GENERAL

<b>Material Status</b>	• Commercial: Active		
<b>Availability</b>	• North America	• South America	
<b>Filler/Reinforcement</b>	• Glass Fiber and mineral filler		
<b>Features</b>	• Supports ANSI Z124.2 and CSA B45.5 requirements. • High gloss surface appearance with minimal rippling	• White and Bone standard colors • Outstanding flow	
<b>Processing Method</b>	• This SMC product is generally intended to be compression molded in matched metal die molds, typically at 300°F (150°C) and 500 to 1,000 psi (35-65 BAR) molding pressure. Strength values may be affected by the molding process.		
<b>Resin</b>	• Unsaturated Polyester Composite		

<b>PHYSICAL</b>	<b>Typical</b>	<b>Unit</b>	<b>Test Method</b>
Density	1.76	g/cm <sup>3</sup>	ASTM D792
Mold Shrinkage (RT mold/RT part)	0.002	in/in	ASTM D955
CLTE, X-Y plane	25	ppm/°C	ASTM E831
CLTE, Z plane	35	ppm/°C	ASTM E831
Poisson's Ratio	0.3		ASTM D638

<b>MECHANICAL (As cut)</b>	<b>Typical</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus	1.3 x 10 <sup>6</sup> (9)	psi (GPa)	ASTM D638
Tensile Strength	5,000 (35)	psi (MPa)	ASTM D638
Flexural Modulus (RT)	1.3 x 10 <sup>6</sup> (9)	psi (GPa)	ASTM D790
Flexural Strength	13,000 (90)	psi (MPa)	ASTM D790

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<b>IMPACT</b>	<b>Typical</b>	<b>Unit</b>	<b>Test Method</b>
Izod Notched Impact Strength	7 (370)	ft-lb/in (J/m)	ASTM D256
Unnotched Impact Strength	8 (425)	ft-lb/in (J/m)	ASTM D4812

<b>FLAMMABILITY</b>	<b>Typical</b>	<b>Unit</b>	<b>Test Method</b>
Flame Resistance	Pass 0.12 (3.0)	in (mm)	ANSI Z124.2

<b>MISC.</b>	<b>Typical</b>	<b>Unit</b>	<b>Test Method</b>
Stain Resistance	Pass	Pass/Fail	ANSI Z124.2

For additional information, please contact:

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